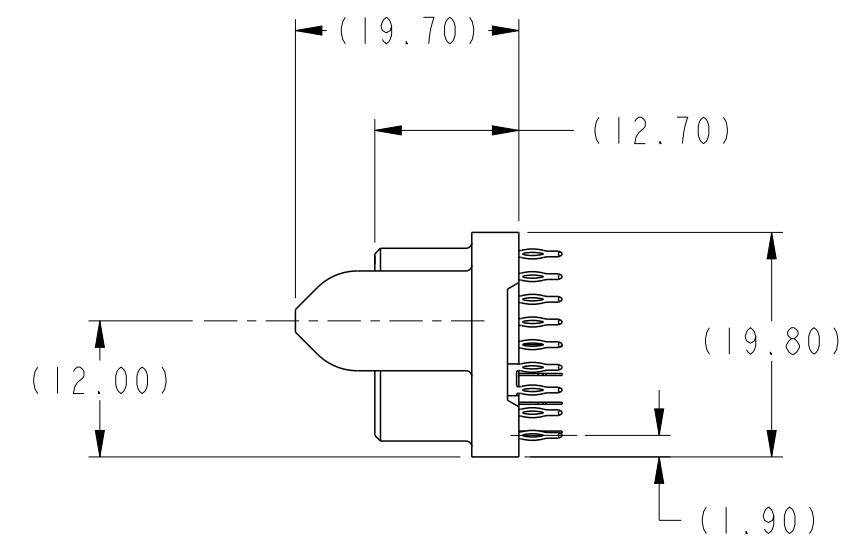
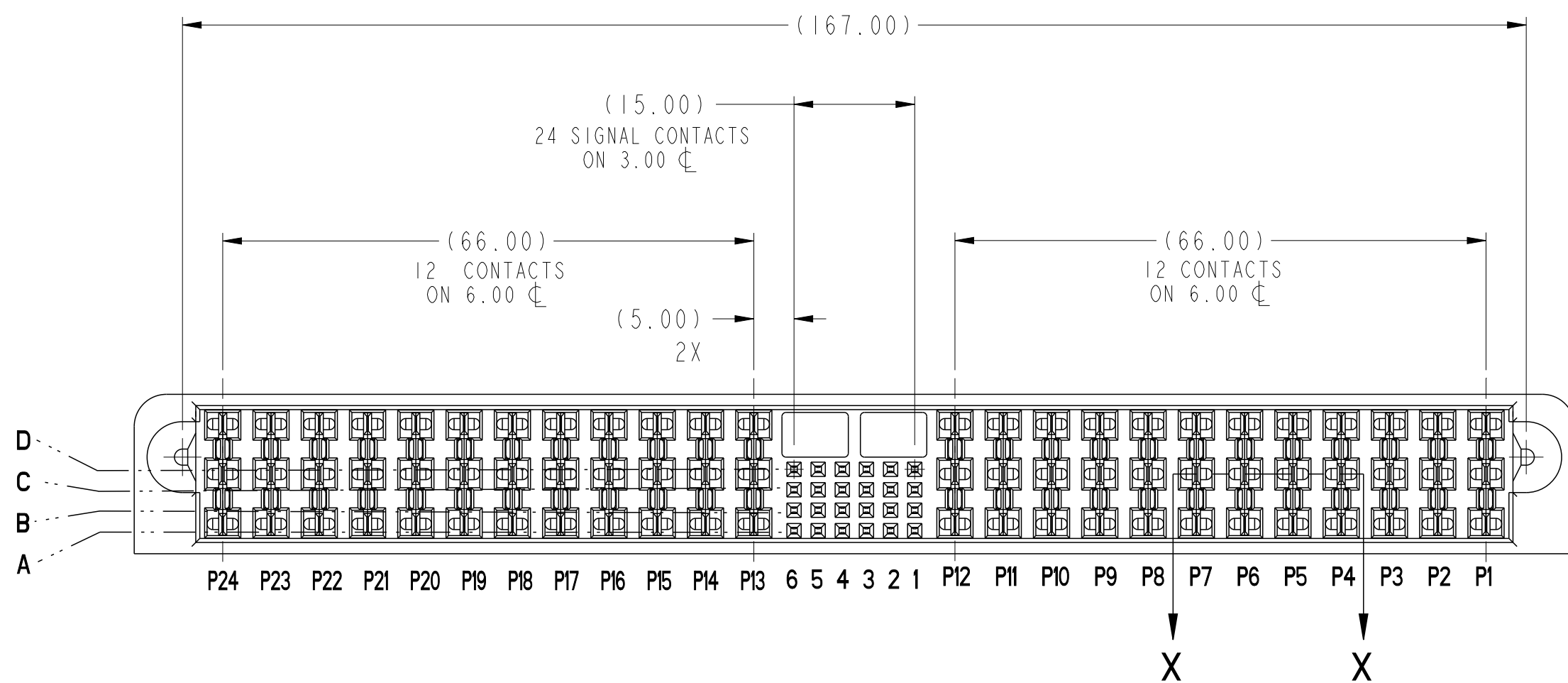
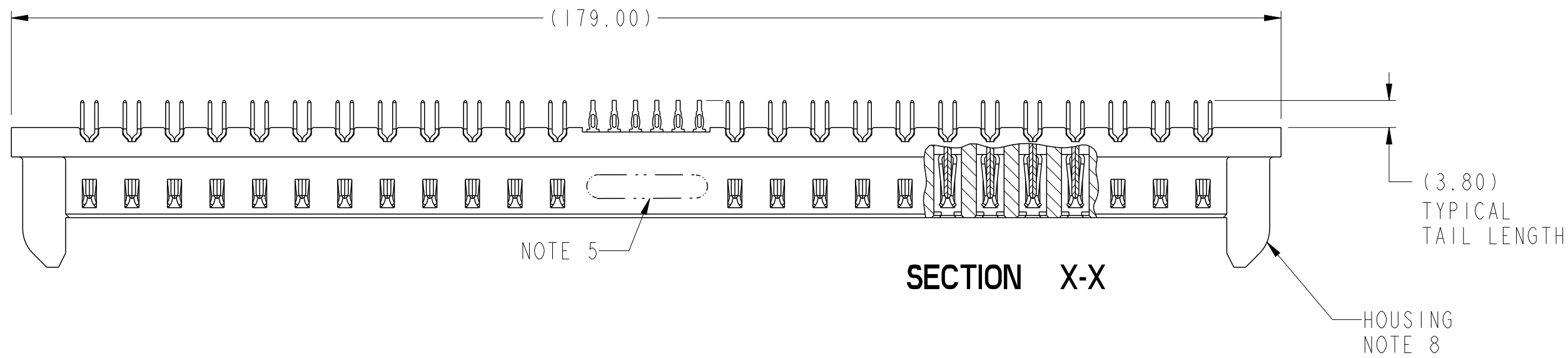


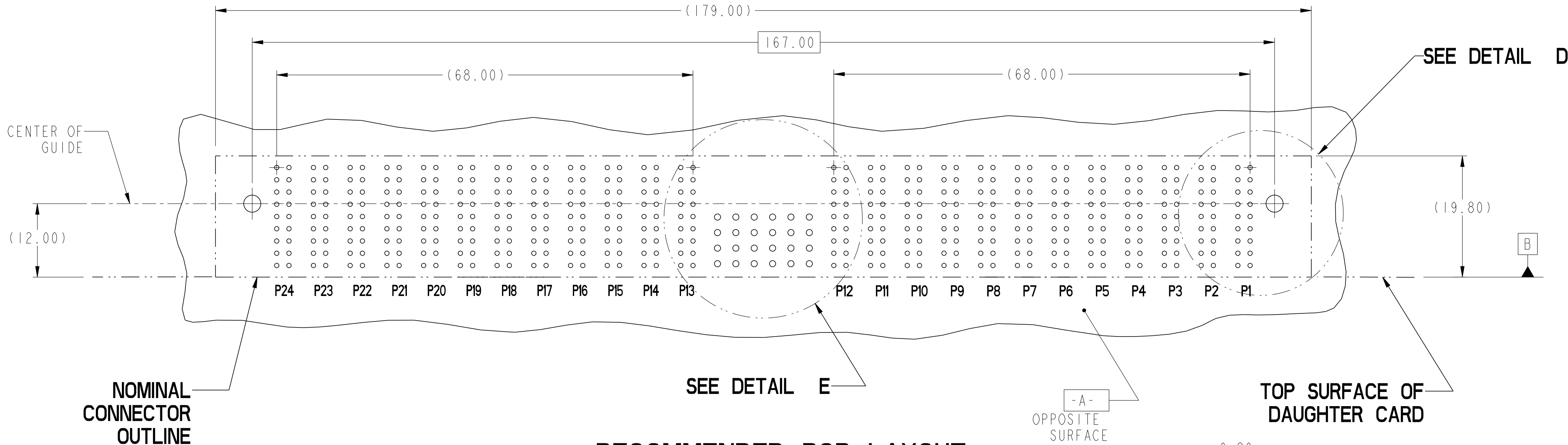


spec ref	*	dr	Not Found DuWa	2010/04/28	projection	MM	size	A2	scale	1:1
tolerance std	-	eng	De-Ming Lu	2014/12/28		MM	ecn no	ELX-DG-19849-1	rel level	Released
ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED	chr	-	-						
surface	✓	appr	Pei-Ming Zheng	2014/12/29						
ASME Y14.5	linear	0.X	±0.5	0.XX	±0.25	0.XXX	±0.10	angular	0°	±2°
		www.fci.com		cat. no.		Product - Customer Drw		sheet 1 of 4		

PDS: Rev :C

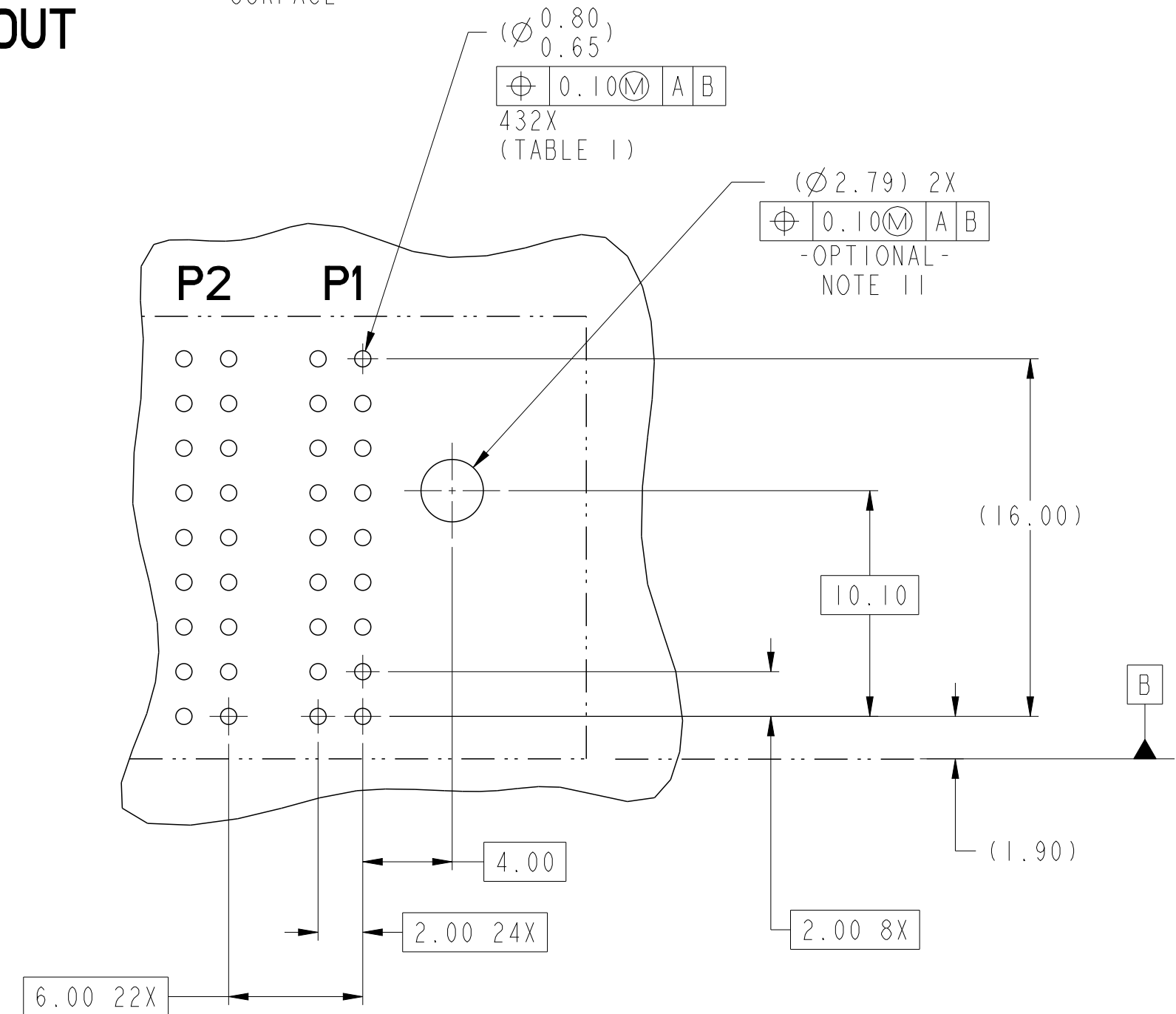
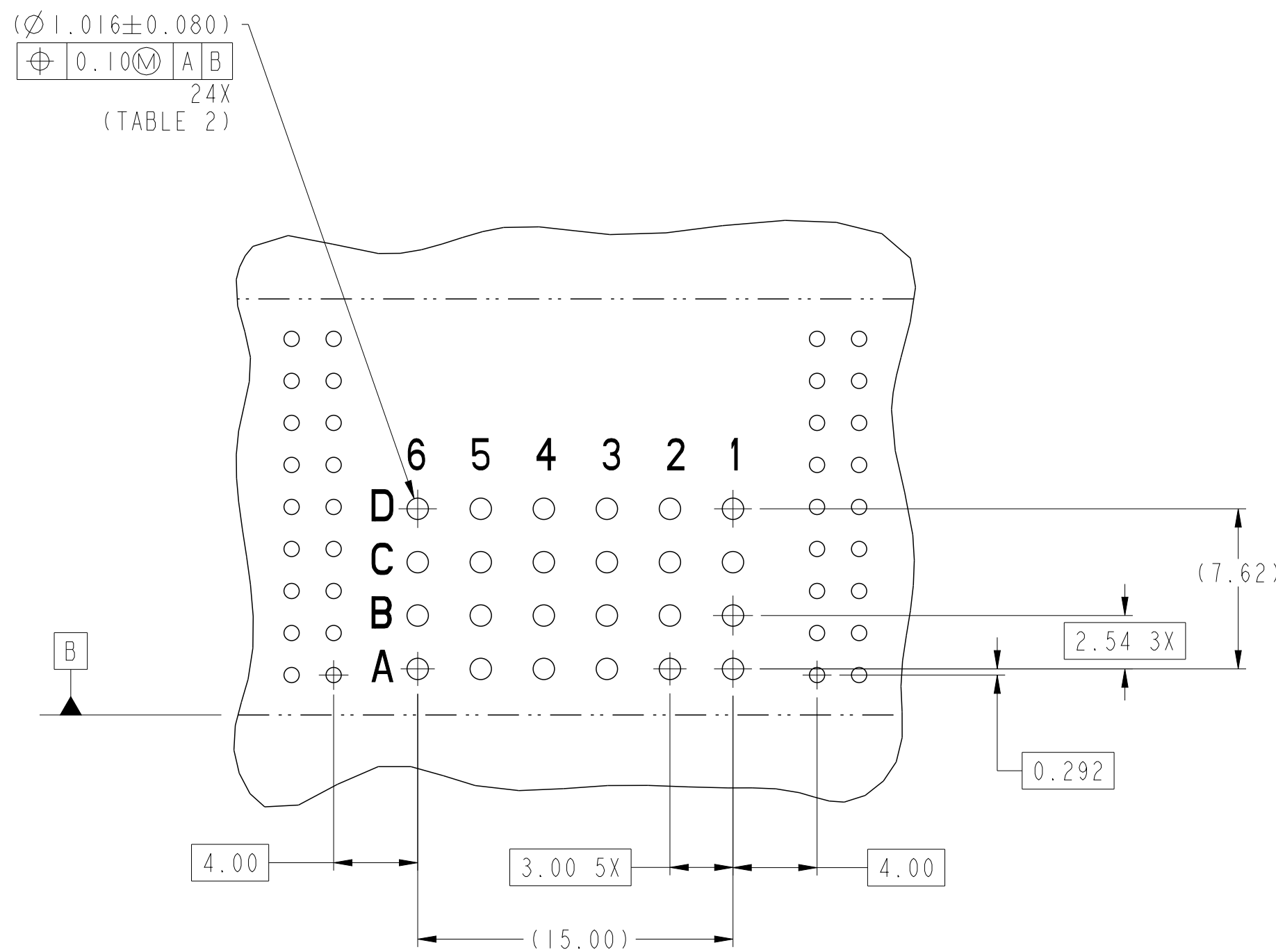
STATUS:Released

Printed: Dec 30, 2014



RECOMMENDED PCB LAYOUT COMPONENT SIDE

NOTE 6



DETAIL D
SCALE 4:1

DETAIL E
SCALE 4:1

dr	Not Found DuWa	2010/04/28	projection	MM	size	A2	scale	3:1
eng	De-Ming Lu	2014/12/28			ecn no	ELX-DG-19848-1		
chr	-	-			rel level	Released		
appr	Pei-Ming Zheng	2014/12/29	product family	HCI				
FCI		title		VERT RECPT 12DC-24S-12DG		dwg no		10084233
www.fci.com		cat. no.		-		Product - Customer Drw		sheet 2 of 4

PDS: Rev :C

STATUS:Released

Printed: Dec 30, 2014

	1	2	3	4	5	6	7	8	
A									A
B	TOP LAYER DESCRIPTION	TABLE 1 (HCl POWER) PLATED THROUGH-HOLE REQUIREMENTS							
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	NICKEL THICKNESS	GOLD THICKNESS	TIN THICKNESS	SILVER THICKNESS	FINISHED HOLE DIAMETER
	TIN-LEAD	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	0.005 - 0.015	--	--	--	--	0.65 - 0.80
	IMMERSION TIN	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	--	--	0.9 - 1.5um	--	0.70 - 0.80
	IMMERSION SILVER	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	--	--	--	0.15 - 0.65um	0.70 - 0.80
	COPPER (SEE NOTE 9)	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	--	--	--	--	0.70 - 0.80
GOLD	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	0.003 - 0.007	FLASH UP TO 0.0002	--	--	0.69 - 0.80	
C	TOP LAYER DESCRIPTION	TABLE 2 (HPC SIGNALS) PLATED THROUGH-HOLE REQUIREMENTS							
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	FINISHED HOLE DIAMETER				
D	TIN-LEAD	1.125-1.175 (Ø.0453±.0010)	0.025-0.050	0.005-0.015	0.94 - 1.10 (Ø.040±.003)				
E									
F									
PDS: Rev :C		STATUS:Released		Printed: Dec 30, 2014					

FCI

Copyright FCI.

dr

eng

chr

appr

Not Found DuWa

De-Ming Lu

-

Pei-Ming Zheng

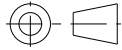
2010/04/28

2014/12/28

-

2014/12/29

projection



MM

product family

size

A2

scale

3:1

ecn no

ELX-DG-19849-1

rel level

Released

FCI

www.fci.com

title

VERT RECPT 12DC-24S-12DG

HCl POWER CONNECTOR

cat. no.

-

Product - Customer Drw

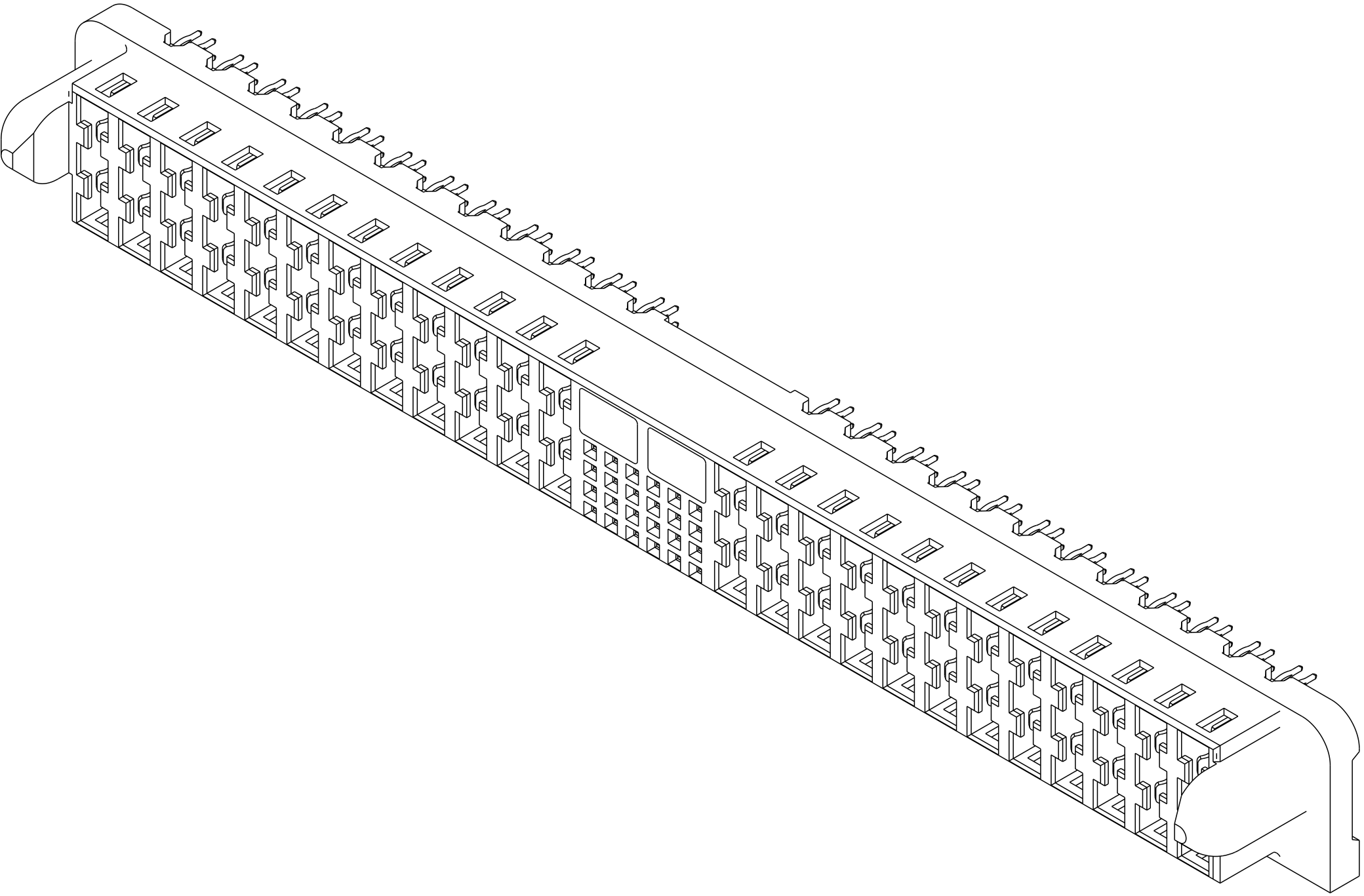
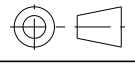
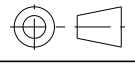
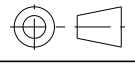
sheet 3 of 4

dwg no

10084233

rev

C

1		2		3		4		5		6		7		8																																																		
PART NUMBER		M2.5 SCREW NOTE 11		TAIL PLATING		TAIL TYPE																																																										
10084233-001		OPTIONAL		SnPb		PRESS-FIT																																																										
10084233-001LF		OPTIONAL		Sn		PRESS-FIT																																																										
FCI Copyright FCI. Notes: - CONNECTOR MATERIALS: HOUSING: HIGH TEMPERATURE THERMOPLASTIC, BLACK UL 94V-0 COMPLIANT CONTACTS: HIGH PERFORMANCE COPPER ALLOY - CONTACT FINISH (ref GS-12-380 SECTION 5.2) - PRODUCT SPECIFICATION: GS-12-380. (IN PROGRESS) - APPLICATION SPECIFICATION: GS-20-070. (IN PROGRESS) - PRODUCT MARKING (PRODUCT NUMBER & DATE CODE) ON HOUSING IN AREA SHOWN. - MINIMUM NOMINAL PCB THICKNESS: 1.6mm - PACKAGING MEETS FCI SPECIFICATION GS-14-1073. - HOUSING COMPONENT WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 60 SECONDS IN A CONVECTION, INFRA-RED, OR VAPOR PHASE REFLOW OVEN. - COPPER PLATING THICKNESS IN CENTER OF VIA-HOLE CAN BE NO MORE THAN 0.003 LESS THAN OTHER AREAS. - ALL HOLE SIZES ARE FINISHED HOLE SIZES. - RECOMMENDED RETENTION TO PCB: Ø0.110[2.79] THRU HOLE (UNPLATED) FOR M2.5 SELF THREADING SCREW, MAX HEAD Ø0.177[4.50]. RECOMMENDED SCREW LENGTH 0.276[7.00] + PCB THICKNESS. RECOMMENDED SCREW SEATING TO PCB TORQUE: 2-5 lbf-in (2300-5760 gf-cm).  <table><tr><td>dr</td><td>Not Found DuWa</td><td>2010/04/28</td><td rowspan="4"> projection  MM </td><td>size</td><td>A2</td><td>scale</td><td>3:1</td></tr><tr><td>eng</td><td>De-Ming Lu</td><td>2014/12/28</td><td>ecn no</td><td colspan="3">ELX-DG-19849-1</td></tr><tr><td>chr</td><td>-</td><td>-</td><td>rel level</td><td colspan="3">Released</td></tr><tr><td>appr</td><td>Pei-Ming Zheng</td><td>2014/12/29</td><td>product family</td><td colspan="3">HCI</td></tr><tr><td colspan="2"> FCI www.fci.com </td><td>title</td><td colspan="3">VERT RECPT 12DC-24S-12DG</td><td>dwg no</td><td>10084233</td><td>rev</td><td>C</td></tr><tr><td colspan="2"></td><td>cat. no.</td><td colspan="3">-</td><td colspan="2">Product - Customer Drw</td><td colspan="2">sheet 4 of 4</td></tr></table> PDS: Rev :C STATUS:Released Printed: Dec 30, 2014																dr	Not Found DuWa	2010/04/28	projection  MM	size	A2	scale	3:1	eng	De-Ming Lu	2014/12/28	ecn no	ELX-DG-19849-1			chr	-	-	rel level	Released			appr	Pei-Ming Zheng	2014/12/29	product family	HCI			FCI www.fci.com		title	VERT RECPT 12DC-24S-12DG			dwg no	10084233	rev	C			cat. no.	-			Product - Customer Drw		sheet 4 of 4	
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